

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-09 15:47:56  
 Date of Next Testing: 2026-12-08 15:47:56  
 Product Name: **Indole-2-carboxaldehyde**  
 CAS Number: 19005-93-7  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: B1918132  
 SKU #: **I124840**  
 Version: **1**  
 Analysis #: **165546**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                      | Limit Values                               | Result                                     |
|--------------------------------|--------------------------------------------|--------------------------------------------|
| Purity(GC)                     | 97-100 (%)                                 | 98.34000 %                                 |
| Carbon by Elemental Analysis   | 71.9-77.1 (%)                              | 74.28000 %                                 |
| Nitrogen by Elemental Analysis | 9.3-10 (%)                                 | 9.36800 %                                  |
| Melting point                  | 137-141 (°C)                               | 138.72000 °C                               |
| Appearance (I124840)           | White to beige to pink or light red powder | White to beige to pink or light red powder |
| Infrared spectrum              | Conforms to Structure                      | Conforms to Structure                      |
| Proton NMR spectrum            | Conforms to Structure                      | Conforms to Structure                      |



John Su  
QA & QC Manager